

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael A. Kuzyk et al.

Application No. Not yet assigned

Filed: Herewith

Confirmation No. Not yet assigned

For: VACCINES AND AGENTS FOR
INDUCING IMMUNITY IN FISH
AGAINST RICKETTSIAL DISEASES,
AND ASSOCIATED PREVENTATIVE
THERAPY

Examiner: Not yet assigned

Art Unit: Not yet assigned

Attorney Reference No. 4616-67958

MAIL STOP PATENT APPLICATION
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as Express Mail Label No. EV331581445US in an envelope addressed to: MAIL STOP PATENT APPLICATION, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Agent
for Applicant(s)

Date Mailed February 18, 2004

INFORMATION DISCLOSURE STATEMENT
FOR CONTINUING APPLICATIONS

Listed on the accompanying form PTO-1449 are several English-language documents. Applicants respectfully request that such documents be listed as references cited on the issued patent.

The present application relies upon U.S. Patent Application No. 09/677,374, which was filed September 15, 2000, for an earlier filing date under 35 U.S.C. § 120. Furthermore, documents listed on the accompanying form PTO-1449 were disclosed to or cited by the Patent Office in the earlier U.S. application.

Two additional continuation applications of U.S. Patent Application No. 09/677,374 are pending: U.S. Patent Application No. 10/261,445, filed September 24, 2002, and U.S. Patent Application No. 10/261,446, filed September 24, 2005.

Copies of the documents listed on the accompanying form PTO-1449 that were cited by applicants in U.S. Patent Application No. 09/677,374 need not be sent to the Patent Office pursuant to 37 C.F.R. § 1.98. However, applicants will furnish the Patent Office with such copies upon request.

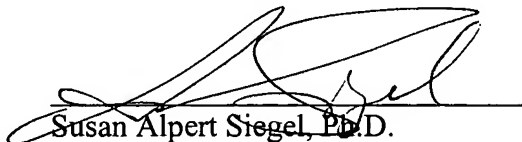
Please charge any additional fees that may be required in connection with filing this Information Disclosure Statement, or credit any overpayment, to Deposit Account No. 02-4550. A duplicate copy of the transmittal sheet for this Information Disclosure Statement is enclosed.

The filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By


Susan Alpert Siegel, Ph.D.
Registration No. 43,121

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Attorney Docket Number	4616-67958
				Application Number	Not yet assigned
				Filed	Herewith
				First Named Inventor	Kuzyk
				Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
U.S. PATENT DOCUMENTS					
Examiner's Initials*	Cite No. (optional)	Number	Date	Name	
FOREIGN PATENT DOCUMENTS					
Examiner's Initials*	Cite No. (optional)	Number	Date	Country	
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS			
		Altschul et al., <i>J. Mol. Biol.</i> 215:403-410, 1990			
		Altschul et al., <i>Nuc. Acids Res.</i> 25(17):3389-3402, 1997			
		Anacker et al., <i>J. Infect. Dis.</i> 151(6):1052-1060, 1985			
		Anderson et al., <i>J. Bacteriol.</i> 169(6):2385-2390, 1987			
		Anderson et al., <i>J. Bacteriol.</i> 170(10):4493-4500, 1988			
		Anderson et al., <i>J. Bacteriol.</i> 5199-5201, Sept. 1989			
EXAMINER SIGNATURE:			DATE CONSIDERED:		
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	4616-67958
		Application Number	Not yet assigned
		Filed	Herewith
		First Named Inventor	Kuzyk
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
		Anderson et al., <i>Infection and Immunity</i> 58(9):2760-2769, 1990	
		Anderson, B., <i>A Short History, Rickettsial Infection and Immunity</i> , Anderson et al., eds., Plenum Press, New York, p. 1-13, 1997	
		Arkoosh et al., <i>Dev. and Comparative Immunol.</i> 15:279-293, 1991	
		Azad et al., <i>Emerging Infect. Dis.</i> 3(3), 1997	
		Bixler, Jr., et al., <i>Contrib. Microbio. Immunol. Basel</i> 10:18-47, 1989	
		Bravo et al., <i>FHS/AFS Newsletter</i> 17(2):3, 1989	
		Brocklebank et al., <i>Can. Vet. J.</i> 34:745-748, 1993	
		Carl et al., <i>PNAS USA</i> 87:8237-8241, 1990	
		Chen et al., <i>FHS/AFS Newsletter</i> 17(2):3	
		Ching et al., <i>Mol. Immunol.</i> 29(1):95-105, 1992	
		Ching et al., <i>Inf. And Immun.</i> 64(4):1413-1419, 1996	
		Corpet, F., Multiple Sequence Alignment with Hierarchical Clustering; 16(22):10881-10890, 1988	
		Cvitanich, et al., <i>J. Fish Dis.</i> 14:121-145, 1991	
		Davis et al., <i>Current Microbiol. An Int. J.</i> 36:80-84, 1998	
		Demotz et al., <i>J. Immunol.</i> 142(2): 394-402, 1989	
		Drancourt et al., <i>FEMS Microbiol. Rev.</i> 13:13-24, 1994	
		Fryauff et al., <i>Vaccine</i> 17:59-63, 1999	
		Fryer et al., <i>Fish Pathol.</i> 25(2):107-114, 1990	

EXAMINER SIGNATURE:	DATE CONSIDERED:
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	4616-67958
		Application Number	Not yet assigned
		Filed	Herewith
		First Named Inventor	Kuzyk
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
		Grimholt et al., <i>Rev. Sci. Tech. Off. Int. Epiz.</i> 17(1):121-127, 1998	
		Hahn et al., <i>Microbiol. Immunol.</i> 40(3):233-236, 1996	
		Hathaway et al., Induction of Systemic Immune Responses to Measles Virus Synthetic Peptides Administered Intranasally; Elsevier Science Ltd., 1995, Great Britain	
		Hickman et al., <i>Microbiol. Pathogenesis</i> 11:19-31, 1991	
		Higgins et al., <i>J. Clin. Microb.</i> 36(6):1793-1794, 1998	
		Ho et al., <i>Eur. J. Immunol.</i> 20:477-483, 1990	
		Huang et al., <i>Cabios</i> 8(2):155-165, 1992	
		Jameson, B.A., et al. <i>Cabios</i> 4(1):181-186, 1988	
		Kjerrulf et al., <i>Mol. Immun.</i> 34(89):599-608, 1997	
		Koppang et al., <i>Fish & Shellfish Immunol.</i> 8:577-587, 1998	
		Kuzyk et al., <i>Inf. and Immun.</i> 64(12):5205-5210, 1996	
		Lannan et al., <i>Fisheries Res.</i> 17:115-121, 1993	
		Lewis et al., <i>Inf. and Immun.</i> 66(7):3035-3042, 1998	
		Li et al., <i>Microbial Pathogenesis</i> 24:289-298, 1998	
		Mallavia, L.P., <i>Eur. J. Epidemiol.</i> 7(3):213-221, 1991	
		Marshall et al., <i>Applied and Environ. Microbiol.</i> 64(8):3066-3069, 1998	
		McDonald et al., <i>Science</i> 235:83-85, 1987	
		Messick et al., <i>Infec. and Immun.</i> 62(8):3156-3161, 1994	
		Musoke et al., <i>Br. Vet. J.</i> 152:621-639, 1996	
EXAMINER SIGNATURE:		DATE CONSIDERED:	
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	4616-67958
		Application Number	Not yet assigned
		Filed	Herewith
		First Named Inventor	Kuzyk
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
		Nakanishi et al., <i>Veterinary Immunol. and Immunopathol.</i> 72:101-109	
		Needleman et al., <i>J. Mol. Biol.</i> 48:443-453, 1970	
		O'Hern et al., "Colinear Synthesis of an Antigen Specific B-Cell Epitope with a 'Promiscuous' Tetanus Toxin T-cell Epitope: a Synthetic Peptide, <i>Vaccine</i> 15(16), 1997	
		Olivier et al., <i>Dev. and Comp. Immunol.</i> 9:419-432, 1985	
		Pang et al., <i>J. Bacteriol.</i> 176(3):923-926, 1994	
		Panina-Bordignon, P., <i>Eur. J. Immunol.</i> 19:2237-2242, 1989	
		Partidos et al., <i>J. Gen. Vir.</i> 71:2099-2105, 1990	
		Partidos et al., <i>Eur. J. Immunol.</i> 22:2675-2680, 1992	
		Partidos et al., <i>Mol. Immunol.</i> 29(5):651-658, 1992	
		Partula, S., <i>Fish & Shellfish Immunol.</i> 9:241-257, 1999	
		Pearson, W., <i>Methods in Mol. Biol.</i> 24:307-331, Computer Analysis of Sequence Data, Part I	
		Pearson, W., <i>J. Mol. Biol.</i> 276:71-84, 1998	
		Pillai et al., <i>Infect. and Immun.</i> 63(4):1535-1540, 1995	
		Rachek et al., <i>J. Bacteriol.</i> 180(8):2118-2124, 1998	
		Reece et al., <i>J. Immunol.</i> 151(11):6175-6184, 1993	
		Rikihisa, Y., <i>Clin. Microbiol. Rev.</i> 4(3):286-308, 1991	
		Rodger et al., <i>J. Fish Dis.</i> 16:361-369, 1993	
		Secombes, C., <i>Bull Eur. Ass. Fish Pathol.</i> 19(6):296, 1999	

EXAMINER SIGNATURE:	DATE CONSIDERED:
<p>* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	4616-67958
		Application Number	Not yet assigned
		Filed	Herewith
		First Named Inventor	Kuzyk
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
		Seong et al., <i>Vaccine</i> 15(16):1741-1747, 1997	
		Smith et al., <i>Advances in Applied Math.</i> 2:482-489, 1981	
		Stenos et al., <i>Int. J. Sys. Bacteriol.</i> 48:1399-1404, 1998	
		Stet et al., <i>Fish and Shellfish Immunol.</i> 6:305-318, 1996	
		Tabor et al., <i>PNAS</i> 82:1074-1078, 1985	
		Tamura et al., <i>Microbiol. Immunol.</i> 26(4):321-328, 1982	
		Troyer et al., <i>Inf. and Immun.</i> 67(7):3308-3311, 1999	
		Sumner et al., <i>Vaccine</i> 13(1):29-35, 1995	
		Vallejo et al., <i>Ann. Rev. Fish Dis.</i> 73-89:1992	
		Valmori et al., <i>J. Immunol.</i> 149(2):717-721, 1992	
		Van Binnendijk et al., <i>J. Virol.</i> 67(4):2276-2284, 1993	
		Vishwanath et al., <i>Inf. and Immun.</i> 58:646-653, 1990	
		Weiss et al., <i>Applied Microbiol.</i> 30(3):456-463, 1975	
		Winton, J.R., <i>J. Appl. Ichthyol.</i> 14:153-158, 1998	

EXAMINER SIGNATURE:	DATE CONSIDERED:
<p>* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	